

Quick Installation Guide: Thor Fiber F-EDFA-16 16DB Optical Amplifier

Avoid Direct Viewing: Never look directly at the EDFA output connector or the optical jumper connected to the EDFA. Doing so may cause eye damage due to the amplified optical signal.

1. Rack Installation:

o Install the EDFA securely in a 19" rack for stability.

2. Power Connection:

o Connect both primary and secondary power cords securely to the device.

3. Fiber Optic Connection:

o Remove the dust caps from the IN and OUT fiber optic ports.

4. **Input Connection**:

- o Connect a 1550nm Light source to the input port.
- o Ensure incoming power is between +8 to 0dBm.
- o Use single-mode fiber terminated with ST/APC angle polished connectors ONLY.

5. Output Connection:

- o Connect the EDFA OUT to the optical splitter or patch panel.
- o Use single-mode fiber terminated with ST/APC angle polished connectors ONLY.
- o Important: Complete this step before turning ON the EDFA.

6. **Power ON Sequence**:

- o Turn ON both power switches. This initializes the device.
- o At this stage, the EDFA will not be fully operational. The LCD display will show an output power value of -60dBm.

7. Activation:

- Use the front panel key to turn ON the EDFA.
- o This will initialize the device further and activate the laser, outputting a +16dBm amplified signal.
- o The front panel display and LED indicators will show the device status.

LED Indicators:

- **Status LED**: All LEDs are RED when nothing is connected or detected.
- **Status LED**: Shows RED if NO Input, OFF when Input is detected or when the KEY is turned ON.
- **LASER IN LED**: Shows incoming signal detection. LED turns OFF when input is detected. The LCD displays incoming optical power in dBm.

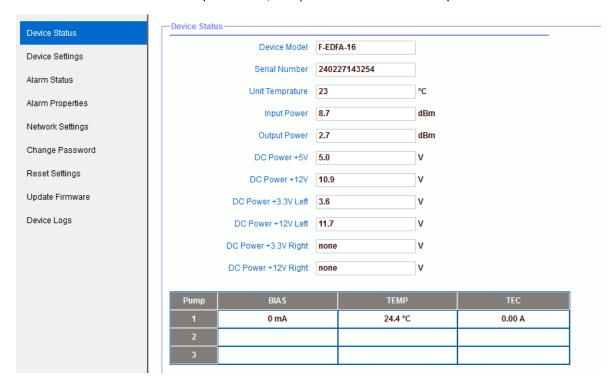
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- LASER OUT LED: Turns OFF when incoming signal is detected and KEY is TURNED ON.
- **Power LED**: Indicates POWER ON status (RED).

• Web Interface:

- o The EDFA has a web interface accessible at IP address 192.168.0.22.
- o Use the username "admin" and password "123456" to log in.
- Ensure your PC's network card is set to the same subnet (e.g., 192.168.0.100) to connect to the device.

Device status shows OPTICAL Input Power / Output Power and other DC power values



Attenuation Setup: The Output can be attenuated 1,2,3,or 4db

Set "Set Output ATT" to 16-12dB, The Maximum Output power is 16dBm

